

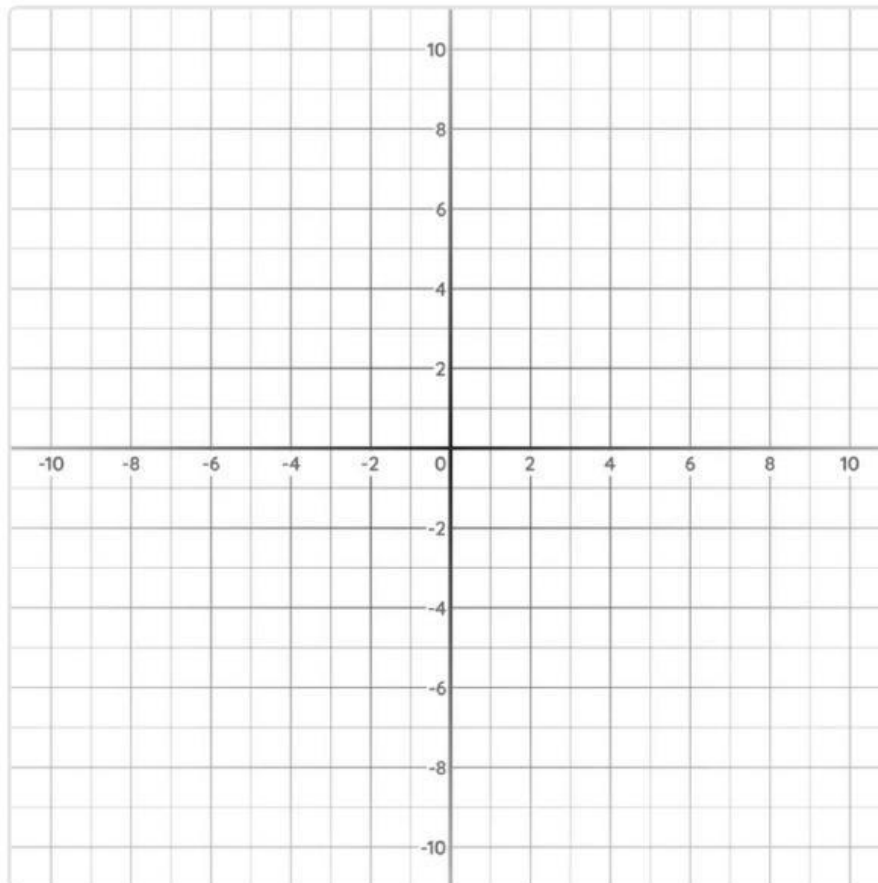
Algebra 1 Review Q1-Q2

Total questions: 12

Worksheet time: 20mins

Name Class Date

1. Determine the equation of the line graphed below.

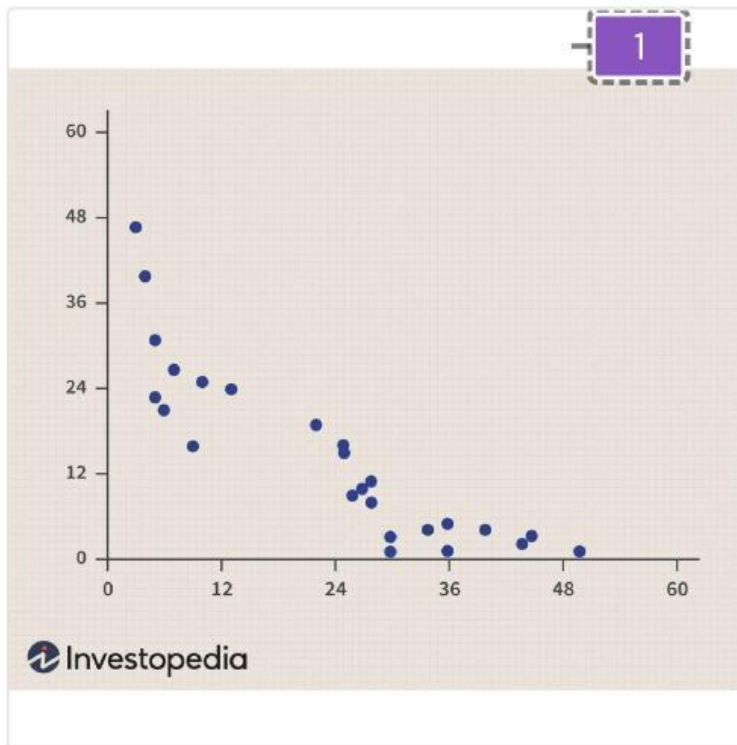


2. the graphs below represents what type of correlation?

a) negative correlation

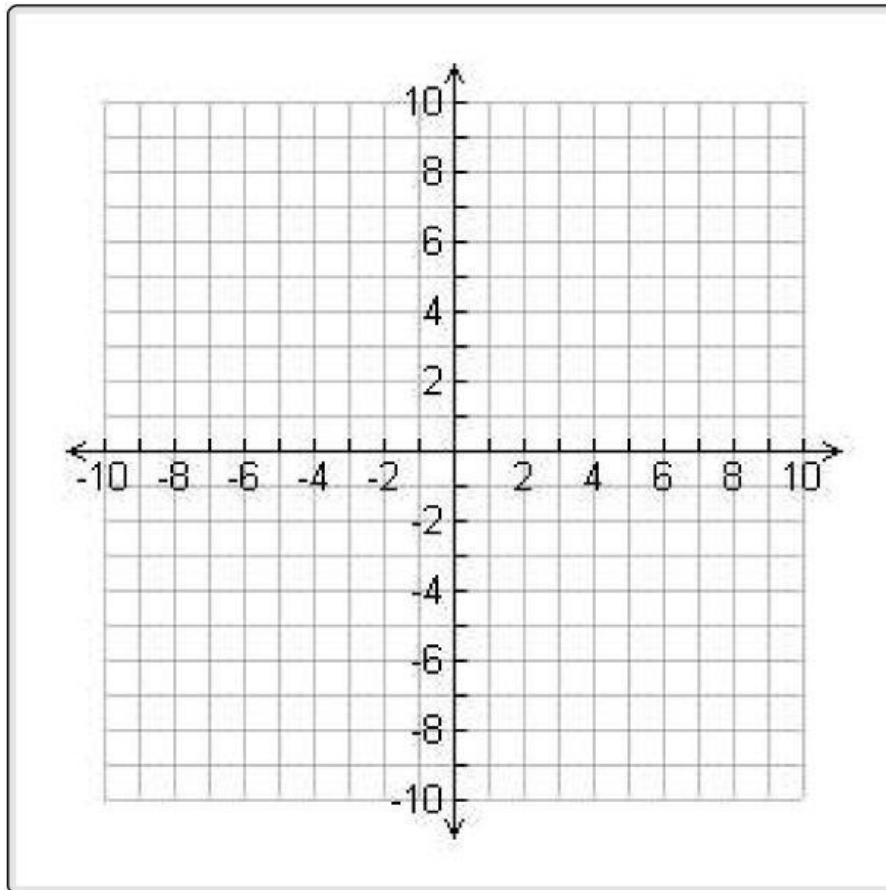
b) positive correlation

c) No correlation



1)

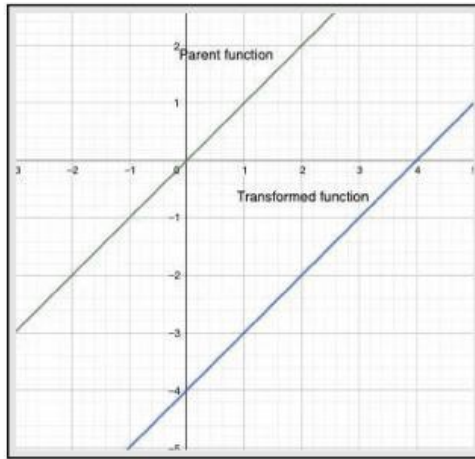
3. graph the following function: $Y = 4x + 2$



4. $F(x)$, represents the function rule

- | | |
|---------------------|-----------------|
| a) True | b) False |
| c) Not Particularly | d) I'm not sure |

5.



Michael, Ethan, and Aiden are having a friendly competition to see who can describe the translation of the graph below for $g(x)$, given that the original function was $f(x) = x$. Can you help them out?

- | | |
|---------------------------------------|---------------------------------------|
| a) $g(x)$ translated down 4 units | b) $G(x)$ translated right 4 units |
| c) $g(x)$ reflected across the x-axis | d) $G(x)$ reflected across the y-axis |

6. When a inequalities is great or equal to or less than or equal to the graph has a open circle, explain.

7. Reorder the following to represent P.E.M.D.A.S

- | | |
|-------------------------|--------------|
| a) Parenthesis | b) Exponents |
| c) Multiplication | d) Divison |
| e) Addition/Subtraction | |

1)

2)

3)

4)

5)

8. Olivia, Charlotte, and Benjamin are having a friendly debate. Olivia says ' $y = mx + b$ ' represents the Point slope form, Charlotte thinks it's the Slope intercept form, and Benjamin believes it's the Slope formula. Who is correct?

- | | |
|-------------|-----------------|
| a) Olivia | b) Charlotte |
| c) Benjamin | d) None of them |

9. David, Charlotte, and Avery are on a treasure hunt. They found a clue that says ' $y - y_1 = (x - x_1)$ '. They believe it represents

- | | |
|---|--|
| a) A secret code for the Slope intercept form | b) The formula for the slope of the mountain |
| c) The Point Slope Form of the treasure map | d) The Line of Best Fit to the treasure |

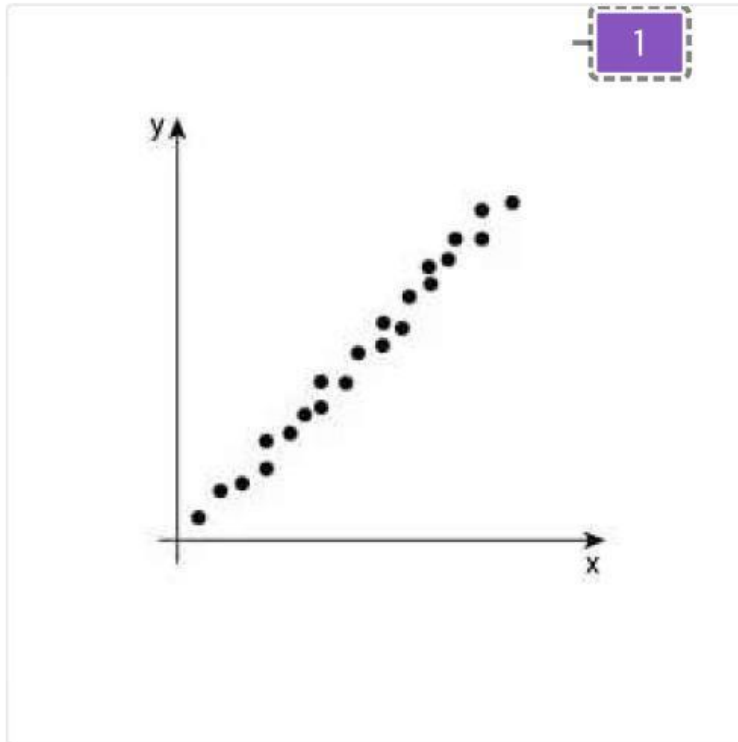
10. Describe the line of best fit, what will it represent?

a) between the data

b) at the point of origin

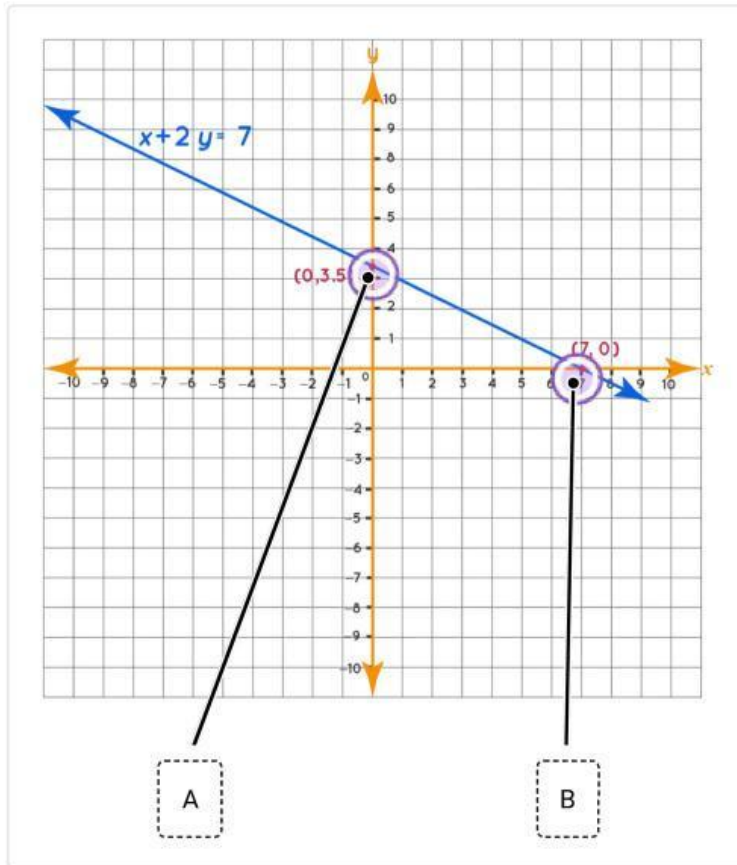
c) Positive correlation

d) Negative Correlation



1)

11. determine where the y-intercept is located



12. Organize these options into the right categories

Categorize the following

X- Values

Y-Values

X-Axis

Y-Axis

Horizontal

Vertical

Input

Output

Rise/Run

Rate Of Change

Per

M

$$\frac{y_2 - y_1}{x_2 - x_1}$$

x	y
1	2
2	4
3	-2
4	4

x
-2
-1
0
1
2

(X,Y)

Cartesian Coordinates

Ordered Pairs

X-Intercept

Y-Intercept

DomainRangeSlopePoints